

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/913,850  
Source: 4FW16  
Date Processed by STIC: 2-1-05

# ***ENTERED***



IFW16

**RAW SEQUENCE LISTING**

DATE: 02/01/2005

PATENT APPLICATION: US/09/913,850

TIME: 16:45:23

Input Set : A:\05-01-25 Sequence Listing.txt

Output Set: N:\CRF4\02012005\I913850.raw

3 <110> APPLICANT: Hazen, Kevin C.  
 4 Singleton, David R.  
 5 Masuoka, James  
 6 Wu, Jean G.  
 7 Glee, Pati M.  
 9 <120> TITLE OF INVENTION: Yeast Cell Wall Peptides and Antibodies Thereto  
 11 <130> FILE REFERENCE: 032905-010  
 13 <140> CURRENT APPLICATION NUMBER: US 09/913,850  
 C--> 14 <141> CURRENT FILING DATE: 2001-12-14  
 16 <150> PRIOR APPLICATION NUMBER: PCT/US00/04228  
 17 <151> PRIOR FILING DATE: 2000-02-18  
 19 <150> PRIOR APPLICATION NUMBER: US 60/120,764  
 20 <151> PRIOR FILING DATE: 1999-02-19  
 22 <150> PRIOR APPLICATION NUMBER: US 60/120,765  
 23 <151> PRIOR FILING DATE: 1999-02-19  
 25 <160> NUMBER OF SEQ ID NOS: 40  
 27 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 29 <210> SEQ ID NO: 1  
 30 <211> LENGTH: 4  
 31 <212> TYPE: PRT  
 32 <213> ORGANISM: Artificial Sequence  
 34 <220> FEATURE:  
 35 <223> OTHER INFORMATION: peptides analagous in structure to the bonding  
 36 domains exhibited on the surface of hydrophobic  
 37 yeast cell wall proteins to interfere with yeast  
 38 cells' ability to bond to host tissues  
 W--> 40 <221> NAME/KEY: PEPTIDE  
 41 <222> LOCATION: 2  
 42 <223> OTHER INFORMATION: Xaa = a bond or any amino acid  
 W--> 44 <221> PEPTIDE  
 45 <222> LOCATION: 3  
 46 <223> OTHER INFORMATION: Xaa = any amino acid  
 W--> 48 <221> PEPTIDE  
 49 <222> LOCATION: 4  
 50 <223> OTHER INFORMATION: Xaa = a tripeptide wherein at least one amino acid  
 51 is Val, Leu, Ile, Phe, Tyr, or Trp  
 W--> 53 <400> 1  
 W--> 54 Gly Xaa Xaa Xaa  
 55 1  
 58 <210> SEQ ID NO: 2  
 59 <211> LENGTH: 12  
 60 <212> TYPE: PRT  
 61 <213> ORGANISM: Artificial Sequence

(ps.6)

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63 <220> FEATURE:
64 <223> OTHER INFORMATION: Clone 4 of 6C5 monoclonal antibody epitope
66 <400> SEQUENCE: 2
67 Arg Val Asp Val Gly Ser Glu Asp Ala Pro Ser Arg
68 1 5 10
71 <210> SEQ ID NO: 3
72 <211> LENGTH: 12
73 <212> TYPE: PRT
74 <213> ORGANISM: Artificial Sequence
76 <220> FEATURE:
77 <223> OTHER INFORMATION: Clone 54 of 6C5 monoclonal antibody epitope
79 <400> SEQUENCE: 3
80 Ser Asp Arg Leu Glu Val Gly Thr Glu Asp Leu Arg
81 1 5 10
84 <210> SEQ ID NO: 4
85 <211> LENGTH: 12
86 <212> TYPE: PRT
87 <213> ORGANISM: Artificial Sequence
89 <220> FEATURE:
90 <223> OTHER INFORMATION: Clone 43 of 6C5 monoclonal antibody epitope
92 <400> SEQUENCE: 4
93 Asp Val Glu Val Gly Ala Glu Asp Ala Leu Phe Ser
94 1 5 10
97 <210> SEQ ID NO: 5
98 <211> LENGTH: 12
99 <212> TYPE: PRT
100 <213> ORGANISM: Artificial Sequence
102 <220> FEATURE:
103 <223> OTHER INFORMATION: Clone 13 of 6C5 monoclonal antibody epitope
105 <400> SEQUENCE: 5
106 Ile Glu Ala Arg Val Glu Ile Asp Trp Ser Leu Asp
107 1 5 10
110 <210> SEQ ID NO: 6
111 <211> LENGTH: 12
112 <212> TYPE: PRT
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Clone 26 of 6C5 monoclonal antibody epitope
118 <400> SEQUENCE: 6
119 Gly Arg Asn Leu Glu Val Asp Arg Ala Leu Asp Thr
120 1 5 10
123 <210> SEQ ID NO: 7
124 <211> LENGTH: 12
125 <212> TYPE: PRT
126 <213> ORGANISM: Artificial Sequence
128 <220> FEATURE:
129 <223> OTHER INFORMATION: Clone 11 of 6C5 monoclonal antibody epitope
131 <400> SEQUENCE: 7
132 Arg Ser Met Leu Glu Leu Asp Val Ile Leu Glu Gly

```

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133 1 5 10
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 12
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: Clone 12 of 6C5 monoclonal antibody epitope
144 <400> SEQUENCE: 8
145 Glu Gly Ile Gly Val Glu Val Glu Val Val Leu Glu
146 1 5 10
149 <210> SEQ ID NO: 9
150 <211> LENGTH: 12
151 <212> TYPE: PRT
152 <213> ORGANISM: Artificial Sequence
154 <220> FEATURE:
155 <223> OTHER INFORMATION: Clone 4-3-3 of 6C5 monoclonal antibody epitope
157 <400> SEQUENCE: 9
158 Glu Ile Asp Leu Lys Leu Glu Pro Gly Thr Arg Val
159 1 5 10
162 <210> SEQ ID NO: 10
163 <211> LENGTH: 12
164 <212> TYPE: PRT
165 <213> ORGANISM: Artificial Sequence
167 <220> FEATURE:
168 <223> OTHER INFORMATION: Clone 44 of 6C5 monoclonal antibody epitope
170 <400> SEQUENCE: 10
171 Arg Val Glu Leu Ala His Glu Leu Glu Gly Val Trp
172 1 5 10
175 <210> SEQ ID NO: 11
176 <211> LENGTH: 12
177 <212> TYPE: PRT
178 <213> ORGANISM: Artificial Sequence
180 <220> FEATURE:
181 <223> OTHER INFORMATION: Clone 38 of 6C5 monoclonal antibody epitope
183 <400> SEQUENCE: 11
184 Glu Leu Asp Ala Ile Asp Arg Pro Gly Ile Val Val
185 1 5 10
188 <210> SEQ ID NO: 12
189 <211> LENGTH: 12
190 <212> TYPE: PRT
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Clone 39 of 6C5 monoclonal antibody epitope
196 <400> SEQUENCE: 12
197 Val Arg Leu Glu Ile Asp Gln Ile Asp Arg Gly Pro
198 1 5 10
201 <210> SEQ ID NO: 13
202 <211> LENGTH: 12
203 <212> TYPE: PRT

```

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204 <213> ORGANISM: Artificial Sequence  
 206 <220> FEATURE:  
 207 <223> OTHER INFORMATION: Clone 5-4-1 of 6C5 monoclonal antibody epitope  
 209 <400> SEQUENCE: 13  
 210 Ser Phe Glu Val Asp Pro Ile Asp Glu Asn Ser Gly  
 211 1 5 10  
 214 <210> SEQ ID NO: 14  
 215 <211> LENGTH: 12  
 216 <212> TYPE: PRT  
 217 <213> ORGANISM: Artificial Sequence  
 219 <220> FEATURE:  
 220 <223> OTHER INFORMATION: Clone 1-8 of 6C5 monoclonal antibody epitope  
 222 <400> SEQUENCE: 14  
 223 Gly Glu Thr Gln Cys Val Glu Ile Ala Ser Ile Asp  
 224 1 5 10  
 227 <210> SEQ ID NO: 15  
 228 <211> LENGTH: 12  
 229 <212> TYPE: PRT  
 230 <213> ORGANISM: Artificial Sequence  
 232 <220> FEATURE:  
 233 <223> OTHER INFORMATION: Clone 29 of 6C5 monoclonal antibody epitope  
 235 <400> SEQUENCE: 15  
 236 Ile Gly Phe Val Glu Arg Asp Asp Ile Asp Ala Glu  
 237 1 5 10  
 240 <210> SEQ ID NO: 16  
 241 <211> LENGTH: 12  
 242 <212> TYPE: PRT  
 243 <213> ORGANISM: Artificial Sequence  
 245 <220> FEATURE:  
 246 <223> OTHER INFORMATION: Clone 57 of 6C5 monoclonal antibody epitope  
 248 <400> SEQUENCE: 16  
 249 Glu Ile Asp Ser Phe Glu Leu Tyr Leu Arg Glu Arg  
 250 1 5 10  
 253 <210> SEQ ID NO: 17  
 254 <211> LENGTH: 12  
 255 <212> TYPE: PRT  
 256 <213> ORGANISM: Artificial Sequence  
 258 <220> FEATURE:  
 259 <223> OTHER INFORMATION: Clone 1 of panned 5D8 antigen epitope  
 261 <400> SEQUENCE: 17  
 262 Pro Leu Leu Pro Glu Pro Leu Phe Ile Glu Leu Gly  
 263 1 5 10  
 266 <210> SEQ ID NO: 18  
 267 <211> LENGTH: 12  
 268 <212> TYPE: PRT  
 269 <213> ORGANISM: Artificial Sequence  
 271 <220> FEATURE:  
 272 <223> OTHER INFORMATION: Clone 12 of panned 5D8 antigen epitope  
 274 <400> SEQUENCE: 18

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DATE: 02/01/2005

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Input Set : A:\05-01-25 Sequence Listing.txt

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```

275 Glu Lys Leu Tyr Ile Ser Ala Trp Asp His Leu Asn
276 1          5          10
279 <210> SEQ ID NO: 19
280 <211> LENGTH: 12
281 <212> TYPE: PRT
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Clone 19 of panned 5D8 antigen epitope
286 <400> SEQUENCE: 19
287 Arg Phe Val Glu Pro Leu Tyr Val Thr Ala Ala Gly
288 1          5          10
291 <210> SEQ ID NO: 20
292 <211> LENGTH: 12
293 <212> TYPE: PRT
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Clone 23 of panned 5D8 antigen epitope
299 <400> SEQUENCE: 20
300 Glu Glu Leu Phe Ile Ser Arg Leu Ser Arg Ala Pro
301 1          5          10
304 <210> SEQ ID NO: 21
305 <211> LENGTH: 10
306 <212> TYPE: PRT
307 <213> ORGANISM: Artificial Sequence
309 <220> FEATURE:
310 <223> OTHER INFORMATION: 5D8 peptides
312 <400> SEQUENCE: 21
313 Pro Phe Val Asp Ala Tyr Pro Phe Asn Arg
314 1          5          10
317 <210> SEQ ID NO: 22
318 <211> LENGTH: 10
319 <212> TYPE: PRT
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: 5D8 peptides
325 <400> SEQUENCE: 22
326 Thr Asp Gln Thr Ser Asn Asn Asn Val Ala
327 1          5          10
330 <210> SEQ ID NO: 23
331 <211> LENGTH: 7
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: 5D8 peptides
W--> 338 <221> NAME/KEY: PEPTIDE
339 <222> LOCATION: 5
340 <223> OTHER INFORMATION: Xaa = Ile or Leu
W--> 342 <400> 23
W--> 343 Thr Trp Ser Val Xaa Pro Thr

```

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/913,850

DATE: 02/01/2005  
TIME: 16:45:24

Input Set : A:\05-01-25 Sequence Listing.txt  
Output Set: N:\CRF4\02012005\I913850.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,3,4  
Seq#:23; Xaa Pos. 5  
Seq#:34; Xaa Pos. 2  
Seq#:35; Xaa Pos. 2  
Seq#:36; Xaa Pos. 2  
Seq#:37; Xaa Pos. 2  
Seq#:38; Xaa Pos. 2,4,5,6

**VERIFICATION SUMMARY**

DATE: 02/01/2005

PATENT APPLICATION: US/09/913,850

TIME: 16:45:24

Input Set : A:\05-01-25 Sequence Listing.txt

Output Set: N:\CRF4\02012005\I913850.raw

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:40 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:44 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:48 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:53 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1  
L:54 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:338 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:342 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:23  
L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0  
L:490 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:494 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:34  
L:495 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0  
L:510 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:514 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:35  
L:515 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0  
L:530 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:534 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:36  
L:535 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0  
L:550 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:554 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:37  
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0  
L:570 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:575 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38  
L:580 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38  
L:585 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38  
L:590 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:38  
L:591 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0  
L:604 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:607 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:39